

LOW REFLECTION DRIVER FOR A HIGH SPEED SIMULTANEOUS
BIDIRECTIONAL DATA BUS

ABSTRACT OF THE DISCLOSURE

A low reflection driver is provided for a high speed simultaneous bi-directional transmission line/data bus which is designed such that units at both ends of the transmission line/data bus can transmit data at any time without waiting for the bus to become available so that the baud rate of the bus is increased. A push-pull current source driver for the bi-directional simultaneous data bus provides greater flexibility for an output voltage swing, a matching impedance and bandwidth compensation.